

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 29, 2026

National Center for Biomedical Ontology

RRID:SCR_003304

Type: Tool

Proper Citation

National Center for Biomedical Ontology (RRID:SCR_003304)

Resource Information

URL: <http://www.bioontology.org>

Proper Citation: National Center for Biomedical Ontology (RRID:SCR_003304)

Description: Organization that provides biomedical researchers with online tools and a web portal enabling them to access, review, and integrate disparate ontological resources in all aspects of biomedical investigation and clinical practice. A major focus of the work involves the use of biomedical ontologies to aid in the management and analysis of data derived from complex experiments.

Abbreviations: NCBO

Resource Type: training resource, data or information resource, organization portal, database, portal

Defining Citation: [PMID:21672956](#), [PMID:23734708](#)

Keywords: biomedical ontology, biomedical software tools

Funding: NHGRI U54 HG004028

Availability: Free, Freely available

Resource Name: National Center for Biomedical Ontology

Resource ID: SCR_003304

Alternate IDs: nif-0000-31891

License URLs: <https://www.bioontology.org/terms>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260729T044040+0000

Ratings and Alerts

No rating or validation information has been found for National Center for Biomedical Ontology.

No alerts have been found for National Center for Biomedical Ontology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Pitarch B, et al. (2025) A review on Gene Ontology evaluations. Database : the journal of biological databases and curation, 2025.

Dumschott K, et al. (2023) Ontologies for increasing the FAIRness of plant research data. Frontiers in plant science, 14, 1279694.

Pan H, et al. (2019) Comprehensive anatomic ontologies for lung development: A comparison of alveolar formation and maturation within mouse and human lung. Journal of biomedical semantics, 10(1), 18.

Gnimpieba EZ, et al. (2017) Bio-TDS: bioscience query tool discovery system. Nucleic acids research, 45(D1), D1117.

Sanchez Bocanegra CL, et al. (2017) HealthRecSys: A semantic content-based recommender system to complement health videos. BMC medical informatics and decision making, 17(1), 63.

Elayavilli RK, et al. (2016) Ion Channel ElectroPhysiology Ontology (ICEPO) - a case study of text mining assisted ontology development. AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science, 2016, 42.

Ray W, et al. (2016) MD-CTS: An integrated terminology reference of clinical and translational medicine. Computational and structural biotechnology journal, 14, 131.

Casaregola S, et al. (2016) An Information System for European culture collections: the way forward. SpringerPlus, 5(1), 772.

Yahi A, et al. (2015) A knowledge-based, automated method for phenotyping in the EHR using only clinical pathology reports. AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science, 2015, 64.

Tenenbaum JD, et al. (2014) A sea of standards for omics data: sink or swim? Journal of the American Medical Informatics Association : JAMIA, 21(2), 200.

Bowes JB, et al. (2013) The Xenbase literature curation process. Database : the journal of biological databases and curation, 2013, bas046.

Shimoyama M, et al. (2012) Three ontologies to define phenotype measurement data. Frontiers in genetics, 3, 87.

Kozhenkov S, et al. (2011) BiologicalNetworks--tools enabling the integration of multi-scale data for the host-pathogen studies. BMC systems biology, 5, 7.

Bedell VM, et al. (2011) Lessons from morpholino-based screening in zebrafish. Briefings in functional genomics, 10(4), 181.

Thessen AE, et al. (2011) Data issues in the life sciences. ZooKeys(150), 15.

Cheung KH, et al. (2010) Structured digital tables on the Semantic Web: toward a structured digital literature. Molecular systems biology, 6, 403.

Jensen LJ, et al. (2010) Ontologies in quantitative biology: a basis for comparison, integration, and discovery. PLoS biology, 8(5), e1000374.

Kozhenkov S, et al. (2010) BiologicalNetworks 2.0--an integrative view of genome biology data. BMC bioinformatics, 11, 610.

Field D, et al. (2010) Meeting Report: BioSharing at ISMB 2010. Standards in genomic sciences, 3(3), 254.

Jonquet C, et al. (2009) The open biomedical annotator. Summit on translational bioinformatics, 2009, 56.